

FFFFFFFFFFF	111	111	AAAAAAA
FFFFFFFFFFF	111	111	AAAAAAA
FFFFFFFFFFF	111	111	AAAAAAA
FFF	111111	111111	AAA
FFF	111111	111111	AAA
FFF	111111	111111	AAA
FFF	111	111	AAA
FFF	111	111	AAA
FFF	111	111	AAA
FFF	111	111	AAA
FFFFFFFFFFF	111	111	AAA
FFFFFFFFFFF	111	111	AAA
FFFFFFFFFFF	111	111	AAA
FFF	111	111	AAAAAAA
FFF	111	111	AAAAAAA
FFF	111	111	AAAAAAA
FFF	111	111	AAA
FFF	111	111	AAA
FFF	11111111	11111111	AAA
FFF	11111111	11111111	AAA
FFF	11111111	11111111	AAA

FILEID**DELETE

M 16

DDDDDDDD	EEEEEEEEE	LL	EEEEEEEEE	TTTTTTTTT	EEEEEEEEE
DDDDDDDD	EEEEEEEEE	LL	EEEEEEEEE	TTTTTTTTT	EEEEEEEEE
DD	DD	EE	EE	TT	EE
DD	DD	EE	EE	TT	EE
DD	DD	EE	EE	TT	EE
DD	DD	EE	EE	TT	EE
DD	DD	EEEEEEE	EEEEE	TT	EEEEEEE
DD	DD	EEEEEEE	EEEEE	TT	EEEEEEE
DD	DD	EE	EE	TT	EE
DD	DD	EE	EE	TT	EE
DD	DD	EE	EE	TT	EE
DD	DD	EE	EE	TT	EE
DDDDDDDD	EEEEEEEEE	LLLLLLLLL	EEEEEEEEE	TT	EEEEEEEEE
DDDDDDDD	EEEEEEEEE	LLLLLLLLL	EEEEEEEEE	TT	EEEEEEEEE

LL		SSSSSSS
LL		SSSSSSS
LL		SS
LLLLLLLLL		SSSSSSS
LLLLLLLLL		SSSSSSS

```
1 0001 0 MODULE DELETE (
2 0002 0 LANGUAGE (BLISS32),
3 0003 0 IDENT = 'V04-000'
4 0004 0 ) =
5 0005 1 BEGIN
6 0006 1
7 0007 1
8 0008 1 ****
9 0009 1 *
10 0010 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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12 0012 1 * ALL RIGHTS RESERVED.
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25 0025 1 * DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
26 0026 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
27 0027 1 *
28 0028 1 *
29 0029 1 ****
30 0030 1
31 0031 1 ++
32 0032 1
33 0033 1 FACILITY: F11ACP Structure Level 1
34 0034 1
35 0035 1 ABSTRACT:
36 0036 1
37 0037 1 This routine performs the DELETE function.
38 0038 1
39 0039 1 ENVIRONMENT:
40 0040 1
41 0041 1 STARLET operating system, including privileged system services
42 0042 1 and internal exec routines.
43 0043 1
44 0044 1 --
45 0045 1
46 0046 1
47 0047 1 AUTHOR: Andrew C. Goldstein, CREATION DATE: 1-Apr-1977
48 0048 1
49 0049 1 MODIFIED BY:
50 0050 1
51 0051 1 A0101 ACG0116 Andrew C. Goldstein, 16-Jan-1980 16:47
52 0052 1 Swallow errors reading the file header
53 0053 1
54 0054 1 A0100 ACG00001 Andrew C. Goldstein, 10-Oct-1978 20:02
55 0055 1 Previous revision history moved to F11A.REV
56 0056 1
57 0057 1 **
```

```
58 0058 1
59 0059 1 LIBRARY 'SYSSLIBRARY:LIB:L32';
60 0060 1 REQUIRE 'SRC$:FCPDEF.B32';
61 0375 1
62 0376 1
63 0377 1 FORWARD ROUTINE
64 0378 1   DELETE
65 0379 1   MARK_DELETE : NOVALUE,      ! main delete function
66 0380 1   MARKDEL_FCB,           ! mark file for delete
67 0381 1   DELETE_HANDLER;       ! mark FCB of file for delete
68 0382 1
69 0383 1 OWN
70 0384 1   SAVE_STATUS;          ! condition handler for delete function
                                ! place to save user status for handler
```

```
72 0385 1 GLOBAL ROUTINE DELETE =
73 0386 1 ++
74 0387 1
75 0388 1
76 0389 1 FUNCTIONAL DESCRIPTION:
77 0390 1
78 0391 1 This routine performs the remove and mark for delete functions.
79 0392 1
80 0393 1 CALLING SEQUENCE:
81 0394 1 DELETE ()
82 0395 1
83 0396 1 INPUT PARAMETERS:
84 0397 1 NONE
85 0398 1
86 0399 1 IMPLICIT INPUTS:
87 0400 1 IO_PACKET: I/O packet in process
88 0401 1
89 0402 1 OUTPUT PARAMETERS:
90 0403 1 PRIMARY_FCB: FCB of file
91 0404 1
92 0405 1 IMPLICIT OUTPUTS:
93 0406 1 NONE
94 0407 1
95 0408 1 ROUTINE VALUE:
96 0409 1 1
97 0410 1
98 0411 1 SIDE EFFECTS:
99 0412 1 directory entry removed
100 0413 1 file marked for delete or deleted
101 0414 1
102 0415 1 !--
103 0416 1
104 0417 2 BEGIN
105 0418 2
106 0419 2 LOCAL
107 0420 2 ABD : REF BBLOCKVECTOR [,ABD$C_LENGTH], buffer descriptors
108 0421 2
109 0422 2 FIB : REF BBLOCK; FIB
110 0423 2
111 0424 2 EXTERNAL
112 0425 2 CLEANUP_FLAGS : BITVECTOR, cleanup action flags
113 0426 2 IO_PACKET : REF BBLOCK, I/O packet in process
114 0427 2 CURRENT_WINDOW : REF BBLOCK, window of open file
115 0428 2 PRIMARY_FCB : REF BBLOCK, FCB of file
116 0429 2 CURRENT_VCB : REF BBLOCK, VCB of volume
117 0430 2
118 0431 2 EXTERNAL ROUTINE
119 0432 2 GET_FIB, ! get FIB of request
120 0433 2 FIND, ! find name in directory
121 0434 2 SEARCH_FCB; ! search FCB list
122 0435 2
123 0436 2
124 0437 2 ! First find the buffer descriptor, FIB, FCB, etc. then remove the
125 0438 2 directory entry.
126 0439 2
127 0440 2
128 0441 2 ! pointer to buffer descriptors
```

```

129 0442 2 ABD = .BBLOCK [.IO_PACKET[IRPSL_SVAPTE], AIB$L_DESCRIPTOR];
130 0443 2 FIB = GET_FIB (.ABD);
131 0444 2
132 0445 2 IF .CURRENT_VCB[VCBSV_NOALLOC]
133 0446 2 THEN ERR_EXIT (SSS_WRITLCK);
134 0447 2
135 0448 2 ! If a directory ID is present, do a directory search first and remove
136 0449 2 the directory entry.
137 0450 2
138 0451 2
139 0452 2 IF .FIB[FIB$W_DID_NUM] NEQ 0
140 0453 2 THEN FIND (.ABD, .FIB, 1);
141 0454 2
142 0455 2 ! If there is a file open on the channel, check the file ID returned by the
143 0456 2 FIND against that of the open file. If they do not match, treat the file
144 0457 2 as if it were not open.
145 0458 2
146 0459 2
147 0460 2 IF .PRIMARY_FCB NEQ 0
148 0461 2 THEN
149 0462 3 BEGIN
150 0463 3 IF .PRIMARY_FCB[FCBSW_FID_NUM] NEQ .FIB[FIB$W_FID_NUM]
151 0464 3 OR .PRIMARY_FCB[FCBSW_FID_SEQ] NEQ .FIB[FIB$W_FID_SEQ]
152 0465 3 THEN CURRENT_WINDOW = 0;
153 0466 2 END;
154 0467 2
155 0468 2 PRIMARY_FCB = SEARCH_FCB (FIB[FIB$W_FID]);
156 0469 2
157 0470 2 ! Now actually mark the file for delete if requested.
158 0471 2
159 0472 2
160 0473 2 IF .BBLOCK [IO_PACKET[IRPSW_FUNC], IOSV_DELETE]
161 0474 2 THEN MARK_DELETE (.FIB);
162 0475 2
163 0476 2 RETURN 1;
164 0477 2
165 0478 1 END;

```

! end of routine DELETE

```
.TITLE DELETE
.IDENT \V04-000\
```

```
.PSECT $LOCKED1$,NOEXE,2
```

```
00000 SAVE_STATUS:
```

```
.BLKB 4
```

```
.EXTRN CLEANUP_FLAGS, IO_PACKET
.EXTRN CURRENT_WINDOW, PRIMARY_FCB
.EXTRN CURRENT_VCB, GET_FIB
.EXTRN FIND, SEARCH_FCB
```

```
.PSECT $CODE$,NOWRT,2
```

```
.ENTRY DELETE, Save R2,R3
MOVL IO_PACKET, R0
MOVL 844(R0), ABD
```

50	0000G	CF	DO	00002
53	2C	80	DO	00007

: 0385
: 0442

			53	DD 0000B	PUSHL ABD		0443
			01	FB 0000D	CALLS #1, GET_FIB		
			50	DO 00012	MOVL R0, FIB		
			0000G	CF DO 00015	MOVL CURRENT_VCB, R0		0445
05	0B	A0	025C	04 E1 0001A	BBC #4 11(R0), 1\$		
			8F	BF 0001F	CHMU #604		0446
			04	00023	RET		
			0A	A2 B5 00024	1\$: TSTW 10(FIB)		0452
			0B	13 00027	BEQL 2\$		
			01	DD 00029	PUSHL #1		0453
			52	DD 0002B	PUSHL FIB		
			53	DD 0002D	PUSHL ABD		
			0000G	CF 03 FB 0002F	CALLS #3, FIND		
			50	DO 00034	MOVL PRIMARY_FCB, R0		0460
			04	A2 24	2\$: BEQL 4\$		
			07	A0 B1 0003B	CMPW 36(R0), 4(FIB)		0463
			06	A2 26	BNEQ 3\$		
			04	A0 B1 00042	CMPW 38(R0), 6(FIB)		0464
			0000G	CF D4 00049	BEQL 4\$		
			04	A2 9F 0004D	3\$: CLRL CURRENT_WINDOW		0465
			0000G	01 FB 00050	PUSHAB 4(FIB)		0468
			0000G	50 DO 00055	CALLS #1, SEARCH_FCB		
			50	CF DO 0005A	MOVL R0, PRIMARY_FCB		
			07	21 A0 E9 0005F	MOVL IO_PACKET R0		0473
			52	DD 00063	BLBC 33(R0), 5\$		
			0000V	CF 01 FB 00065	PUSHL FIB		0474
			50	01 DO 0006A	CALLS #1, MARK_DELETE		
			04	04 0006D	MOVL #1, R0		0476
			5\$:	RET	RET		0478

; Routine Size: 110 bytes, Routine Base: \$CODE\$ + 0000

```
167 0479 1 GLOBAL ROUTINE MARK_DELETE (FIB) : NOVALUE =
168 0480 1
169 0481 1 !++
170 0482 1
171 0483 1 FUNCTIONAL DESCRIPTION:
172 0484 1
173 0485 1 This routine marks the indicated file for delete and deletes it
174 0486 1 if it is not accessed.
175 0487 1
176 0488 1 CALLING SEQUENCE:
177 0489 1 MARK_DELETE (ARG1)
178 0490 1
179 0491 1 INPUT PARAMETERS:
180 0492 1 ARG1: address of FIB
181 0493 1
182 0494 1 IMPLICIT INPUTS:
183 0495 1 NONE
184 0496 1
185 0497 1 OUTPUT PARAMETERS:
186 0498 1 NONE
187 0499 1
188 0500 1 IMPLICIT OUTPUTS:
189 0501 1 NONE
190 0502 1
191 0503 1 ROUTINE VALUE:
192 0504 1 NONE
193 0505 1
194 0506 1 SIDE EFFECTS:
195 0507 1 file marked for delete or deleted
196 0508 1
197 0509 1 !--
198 0510 1
199 0511 2 BEGIN
200 0512 2
201 0513 2 BUILTIN
202 0514 2 FP:
203 0515 2
204 0516 2 MAP
205 0517 2 FIB : REF BBLOCK; ! FIB
206 0518 2
207 0519 2 LOCAL
208 0520 2 FCB : REF BBLOCK, ! FCB of file
209 0521 2 HEADER : REF BBLOCK; ! file header
210 0522 2
211 0523 2 OWN
212 0524 2 DELETELOGENB : INITIAL (0); ! delete logger enable
213 0525 2
214 0526 2 EXTERNAL
215 0527 2 USER_STATUS,
216 0528 2 CLEANUP_FLAGS : BITVECTOR, ! status to return to user
217 0529 2 CURRENT_WINDOW : REF BBLOCK; ! cleanup action flags
218 0530 2 ! window of open file
219 0531 2 EXTERNAL ROUTINE
220 0532 2 SEARCH FCB, ! search FCB list
221 0533 2 READ HEADER, ! read file header
222 0534 2 LOG_DELETE, ! send message to delete logger
223 0535 2 CHECK_PROTECT, ! check file protection
```

```
224 0536 2 MARK_DIRTY,  
225 0537 2 DELETE_FILE,  
226 0538 2 CHECKSUM;  
227 0539 2  
228 0540 2  
229 0541 2 ! Check that the file is not a reserved file (FID less than 5).  
230 0542 2  
231 0543 2  
232 0544 2 IF .FIB[FIB$W_FID_NUM] LSSU 5  
233 0545 2 THEN ERR_EXIT(SS$_NOPRIV);  
234 0546 2  
235 0547 2 ! Find the FCB, if any, and then read the header. Reading the header is done  
236 0548 2 under a condition handler that quietly exits with success if errors are  
237 0549 2 encountered. Thus, deleting a bad file header succeeds quietly.  
238 0550 2  
239 0551 2  
240 0552 2 FCB = SEARCH_FCB (FIB[FIB$W_FID]);  
241 0553 2 SAVE_STATUS = .USER_STATUS;  
242 0554 2 .FP = DELETE_HANDLER;  
243 0555 2 HEADER = READ_HEADER (FIB[FIB$W_FID], .FCB);  
244 0556 2 .FP = 0;  
245 0557 2  
246 0558 2 IF .DELETELOGENB THEN LOG_DELETE (.FIB, .HEADER);  
247 0559 2  
248 0560 2 ! Check file protection. Check if the file is write accessed by someone  
249 0561 2 ! else and not the deleter.  
250 0562 2  
251 0563 2  
252 0564 2 CHECK_PROTECT (DELETE_ACCESS, .HEADER, .FCB);  
253 0565 3 IF (  
254 0566 3 IF .FCB EQ 0  
255 0567 3 THEN 0  
256 0568 3 ELSE .FCB[FCB$W_WCNT] NEQ 0)  
257 0569 3 AND (  
258 0570 3 IF .CURRENT_WINDOW EQ 0  
259 0571 3 THEN 1  
260 0572 3 ELSE NOT .CURRENT_WINDOW[WCB$V_WRITE])  
261 0573 2 THEN ERR_EXIT (SS$_ACCONFLICT);  
262 0574 2  
263 0575 2 CLEANUP_FLAGS[CLF_REENTER] = 0; ! from now on deletion proceeds  
264 0576 2  
265 0577 2  
266 0578 2 ! Mark the file for delete. If the file is not accessed, then proceed to  
267 0579 2 ! actually delete it.  
268 0580 2  
269 0581 2  
270 0582 2 HEADER[FH1$V_MARKDEL] = 1;  
271 0583 2 MARK_DIRTY (.HEADER);  
272 0584 2  
273 0585 3 IF KERNEL_CALL (MARKDEL_FCB, .FCB)  
274 0586 2 THEN DELETE_FILE (.FIB, .HEADER)  
275 0587 2 ELSE CHECKSUM (.HEADER);  
276 0588 2  
277 0589 1 END;  
278  
279 ! end of routine MARK_DELETE
```

.PSECT \$LOCKEDD1\$,NOEXE,2

00000000 00004 DELETELOGENB:
.LONG 0 ;

.EXTRN USER STATUS, READ_HEADER
.EXTRN LOG_DELETE, CHECK_PROTECT
.EXTRN MARR_DIRTY, DELETE_FILE
.EXTRN CHECKSUM, SYSSCMKRNL

.PSECT \$CODE\$,NOWRT,2

50	04	000C	00000	.ENTRY	MARK_DELETE, Save R2,R3	0479
05	04	AC	D0 00002	MOVL	FIB, R0	0544
		A0	B1 00006	CMPW	4(R0), #5	
		03	1E 0000A	BGEQU	1\$	
		24	BF 0000C	CHMU	#36	0545
			04 0000E	RET		
52	04	AC	04 C1 0000F	1\$: ADDL3	#4, FIB, R2	0552
			52 DD 00014	PUSHL	R2	
0000G	CF		01 FB 00016	CALLS	#1, SEARCH_FCB	
53			50 DO 0001B	MOVL	R0, FCB	
0000'	CF	0000G	CF DO 0001E	MOVAB	USER STATUS, SAVE_STATUS	0553
6D		0000V	CF 9E 00025	PUSHR	DELETE_HANDLER, (FP)	0554
0000G	CF		0C BB 0002A	CALLS	#2, READ HEADER	0555
52			02 FB 0002C	MOVL	R0, HEADER	
			50 DO 00031	CLRL	(FP)	0556
0A			6D D4 00034	BLBC	DELETELOGENB, 2\$	0558
			52 DD 0003B	PUSHL	HEADER	
0000G	CF		02 AC DD 0003D	PUSHL	FIB	
			02 FB 00040	CALLS	#2, LOG_DELETE	0564
			0C BB 00045	PUSHR	#^M<R2,R3>	
0000G	CF		02 DD 00047	PUSHL	#2	
			03 FB 00049	CALLS	#3, CHECK_PROTECT	
			53 D5 0004E	TSTL	FCB	0566
			16 13 00050	BEQL	4\$	
			1C A3 B5 00052	TSTW	28(FCB)	0568
			11 13 00055	BEQL	4\$	
50			50 CF DO 00057	MOVL	CURRENT_WINDOW, R0	0570
			05 13 0005C	BEQL	3\$	
05	0B	A0	01 E0 0005E	BBS	#1, 11(R0), 4\$	0572
			0800 8F BF 00063	CHMU	#2048	0573
			04 00067	RET		
0000G	CF		80 8A 00068	BICB2	#128, CLEANUP FLAGS+2	0575
0D	A2		80 8F 88 0006E	BISB2	#128, 13(HEADER)	0582
0000G	CF		52 DD 00073	PUSHL	HEADER	0583
			01 FB 00075	CALLS	#1, MARK_DIRTY	
			53 DD 0007A	PUSHL	FCB	0585
			01 DD 0007C	PUSHL	#1	
			5E DD 0007E	PUSHL	SP	
00000000G	9F		CF 9F 00080	PUSHAB	MARKDEL FCB	
0B			04 FB 00084	CALLS	#4, @#SSCMKRNL	
			50 E9 0008B	BLBC	R0, 5\$	
0000G	CF	0000V	52 DD 0008E	PUSHL	HEADER	
			04 AC DD 00090	PUSHL	FIB	0586
			02 FB 00093	CALLS	#2, DELETE_FILE	

DELETE
V04-000

J 1
16-Sep-1984 00:56:34 VAX-11 Bliss-32 v4.0-742 Page 9
14-Sep-1984 12:29:27 DISK\$VMSMASTER:[F11A.SRC]DELETE.B32;1 (3)

0000G CF	52 04 00098 01 DD 00099 04 FB 00099 04 000A0	5\$: RET PUSHL CALLS #1, CHECKSUM RET
----------	---	--

; Routine Size: 161 bytes, Routine Base: \$CODE\$ + 006E

DELF
V04-

```

279 0590 1 GLOBAL ROUTINE MARKDEL_FCB (FCB) =
280 0591 1
281 0592 1 ++
282 0593 1
283 0594 1 FUNCTIONAL DESCRIPTION:
284 0595 1
285 0596 1 This routine marks the FCB for the current file, if any, for delete
286 0597 1 This routine must be executed in kernel mode.
287 0598 1
288 0599 1 CALLING SEQUENCE:
289 0600 1 MARKDEL_FCB (ARG1)
290 0601 1
291 0602 1 INPUT PARAMETERS:
292 0603 1 ARG1: address of FCB
293 0604 1
294 0605 1 IMPLICIT INPUTS:
295 0606 1 PRIMARY_FCB: FCB of file if any
296 0607 1 DIR_FCB: FCB of directory file if any
297 0608 1 CURRENT_VCB: VCB of volume
298 0609 1
299 0610 1 OUTPUT PARAMETERS:
300 0611 1 NONE
301 0612 1
302 0613 1 IMPLICIT OUTPUTS:
303 0614 1 NONE
304 0615 1
305 0616 1 ROUTINE VALUE:
306 0617 1 1 if FCB removed (i.e., if file is deletable)
307 0618 1 0 if delete is to be deferred
308 0619 1
309 0620 1 SIDE EFFECTS:
310 0621 1 FCB marked for delete, may be deallocated
311 0622 1
312 0623 1 --
313 0624 1
314 0625 2 BEGIN
315 0626 2
316 0627 2 MAP
317 0628 2 FCB : REF BBLOCK; ! FCB arg
318 0629 2
319 0630 2 LOCAL
320 0631 2 DUMMY; ! dummy destination for REMQUE
321 0632 2
322 0633 2 EXTERNAL
323 0634 2 CURRENT_VCB : REF BBLOCK, ! VCB of volume
324 0635 2 PRIMARY_FCB : REF BBLOCK, ! FCB of current file
325 0636 2 DIR_FCB : REF BBLOCK; ! FCB of directory file
326 0637 2
327 0638 2 EXTERNAL ROUTINE
328 0639 2 DEL_EXTFCB, ! delete extension FCB's
329 0640 2 DEALLOCATE; ! deallocate dynamic memory
330 0641 2
331 0642 2
332 0643 2 | If the FCB exists, we mark it for delete (causing the file to be deleted
333 0644 2 | when the access count goes to 0). Make sure that the directory LRU bit
334 0645 2 | in the FCB is off (crediting 1 to the LRU count if it was on). If the
335 0646 2 | access count is zero, dump the FCB and its extensions.

```

```

336 0647 2 !
337 0648 22
338 0649 22 IF .FCB NEQ 0
339 0650 22 THEN
340 0651 22 BEGIN
341 0652 22   FCB[FCB$V_MARKDEL] = 1;
342 0653 22   IF TESTBITSC (FCB[FCB$V_DIR])
343 0654 22   THEN CURRENT_VCB[VCBSB_RU_LIM] = .CURRENT_VCB[VCBSB_LRU_LIM] + 1;
344 0655 22   IF .FCB[FCB$V_ACNT] NEQ 0 THEN RETURN 0; !-file is accessed
345 0656 22   REMQUE (.FCB, DUMMY);
346 0657 22   DEL_EXTFCB (.FCB);
347 0658 22   DEALLOCATE (.FCB);
348 0659 22   IF .PRIMARY_FCB EQL .FCB THEN PRIMARY_FCB = 0;
349 0660 22   IF .DIR_FCB EQL .FCB THEN DIR_FCB = 0;
350 0661 22 END;
351 0662 22
352 0663 22 RETURN 1;           ! ok to delete file
353 0664 22
354 0665 1 END;              ! end of routine MARKDEL_FCB

```

.EXTRN DIR_FCB, DEL_EXTFCB	.EXTRN DEALLOCATE	.ENTRY MARKDEL_FCB, Save nothing	.MOVL FCB, R1	.BEQL 3\$.BISB2 #2, 34(R1)	.BBCC #0, 34(R1), 1\$.MOVL CURRENT_VCB, R0	.INC B 73(R0)	.TSTW 26(R1)	.BNEQ 4\$.REMQUE (R1), DUMMY	.PUSHL FCB	.CALLS #1, DEL_EXTFCB	.PUSHL FCB	.CALLS #1, DEALLOCATE	.CMPL PRIMARY_FCB, FCB	.BNEQ 2\$.CLRL PRIMARY_FCB	.CMPL DIR_FCB, FCB	.BNEQ 3\$.CLRL DIR_FCB	.MOVL #1, R0	.RET R0	.CLRL R0	.RET
----------------------------	-------------------	----------------------------------	---------------	-----------	-------------------	-----------------------	-----------------------	---------------	--------------	-----------	---------------------	------------	-----------------------	------------	-----------------------	------------------------	-----------	-------------------	--------------------	-----------	---------------	--------------	---------	----------	------

08	22	A1	51	04	AC 0000 00000	.MOVL FCB, R1		.BEQL 3\$.BISB2 #2, 34(R1)		.BBCC #0, 34(R1), 1\$.MOVL CURRENT_VCB, R0		.INC B 73(R0)		.TSTW 26(R1)		.BNEQ 4\$.REMQUE (R1), DUMMY		.PUSHL FCB		.CALLS #1, DEL_EXTFCB		.PUSHL FCB		.CALLS #1, DEALLOCATE		.CMPL PRIMARY_FCB, FCB		.BNEQ 2\$.CLRL PRIMARY_FCB		.CMPL DIR_FCB, FCB		.BNEQ 3\$.CLRL DIR_FCB		.MOVL #1, R0		.RET R0		.CLRL R0		.RET	
						0000G	CF	22	A1	41	13 00006	.BEQL 3\$.BISB2 #2, 34(R1)		.BBCC #0, 34(R1), 1\$.MOVL CURRENT_VCB, R0		.INC B 73(R0)		.TSTW 26(R1)		.BNEQ 4\$.REMQUE (R1), DUMMY		.PUSHL FCB		.CALLS #1, DEL_EXTFCB		.PUSHL FCB		.CALLS #1, DEALLOCATE		.CMPL PRIMARY_FCB, FCB		.BNEQ 2\$.CLRL PRIMARY_FCB		.CMPL DIR_FCB, FCB		.BNEQ 3\$.CLRL DIR_FCB		.MOVL #1, R0		.RET R0	
04	AC	50	0000G	00	E5 0000C	.BISB2 #2, 34(R1)		.BBCC #0, 34(R1), 1\$.MOVL CURRENT_VCB, R0		.INC B 73(R0)		.TSTW 26(R1)		.BNEQ 4\$.REMQUE (R1), DUMMY		.PUSHL FCB		.CALLS #1, DEL_EXTFCB		.PUSHL FCB		.CALLS #1, DEALLOCATE		.CMPL PRIMARY_FCB, FCB		.BNEQ 2\$.CLRL PRIMARY_FCB		.CMPL DIR_FCB, FCB		.BNEQ 3\$.CLRL DIR_FCB		.MOVL #1, R0		.RET R0		.CLRL R0		.RET					
						04	AC	50	49	A0 96 00016	.BBCC #0, 34(R1), 1\$.MOVL CURRENT_VCB, R0		.INC B 73(R0)		.TSTW 26(R1)		.BNEQ 4\$.REMQUE (R1), DUMMY		.PUSHL FCB		.CALLS #1, DEL_EXTFCB		.PUSHL FCB		.CALLS #1, DEALLOCATE		.CMPL PRIMARY_FCB, FCB		.BNEQ 2\$.CLRL PRIMARY_FCB		.CMPL DIR_FCB, FCB		.BNEQ 3\$.CLRL DIR_FCB		.MOVL #1, R0		.RET R0		.CLRL R0		.RET		
04	AC	04	AC	04	AC 0001E	.MOVL FCB, R1		.BEQL 3\$.BISB2 #2, 34(R1)		.BBCC #0, 34(R1), 1\$.MOVL CURRENT_VCB, R0		.INC B 73(R0)		.TSTW 26(R1)		.BNEQ 4\$.REMQUE (R1), DUMMY		.PUSHL FCB		.CALLS #1, DEL_EXTFCB		.PUSHL FCB		.CALLS #1, DEALLOCATE		.CMPL PRIMARY_FCB, FCB		.BNEQ 2\$.CLRL PRIMARY_FCB		.CMPL DIR_FCB, FCB		.BNEQ 3\$.CLRL DIR_FCB		.MOVL #1, R0		.RET R0		.CLRL R0		.RET	
						04	AC	04	AC	01	FB 00021	.BEQL 3\$.BISB2 #2, 34(R1)		.BBCC #0, 34(R1), 1\$.MOVL CURRENT_VCB, R0		.INC B 73(R0)		.TSTW 26(R1)		.BNEQ 4\$.REMQUE (R1), DUMMY		.PUSHL FCB		.CALLS #1, DEL_EXTFCB		.PUSHL FCB		.CALLS #1, DEALLOCATE		.CMPL PRIMARY_FCB, FCB		.BNEQ 2\$.CLRL PRIMARY_FCB		.CMPL DIR_FCB, FCB		.BNEQ 3\$.CLRL DIR_FCB		.MOVL #1, R0		.RET R0	
04	AC	04	AC	01	FB 00024	.BEQL 3\$.BISB2 #2, 34(R1)		.BBCC #0, 34(R1), 1\$.MOVL CURRENT_VCB, R0		.INC B 73(R0)		.TSTW 26(R1)		.BNEQ 4\$.REMQUE (R1), DUMMY		.PUSHL FCB		.CALLS #1, DEL_EXTFCB		.PUSHL FCB		.CALLS #1, DEALLOCATE		.CMPL PRIMARY_FCB, FCB		.BNEQ 2\$.CLRL PRIMARY_FCB		.CMPL DIR_FCB, FCB		.BNEQ 3\$.CLRL DIR_FCB		.MOVL #1, R0		.RET R0		.CLRL R0		.RET			
						04	AC	04	AC	01	FB 0002C	.BEQL 3\$.BISB2 #2, 34(R1)		.BBCC #0, 34(R1), 1\$.MOVL CURRENT_VCB, R0		.INC B 73(R0)		.TSTW 26(R1)		.BNEQ 4\$.REMQUE (R1), DUMMY		.PUSHL FCB		.CALLS #1, DEL_EXTFCB		.PUSHL FCB		.CALLS #1, DEALLOCATE		.CMPL PRIMARY_FCB, FCB		.BNEQ 2\$.CLRL PRIMARY_FCB											

```
356 0666 1 ROUTINE DELETE_HANDLER (SIGNAL, MECHANISM) =  
357 0667 1  
358 0668 1 !++  
359 0669 1  
360 0670 1 FUNCTIONAL DESCRIPTION:  
361 0671 1  
362 0672 1 This routine is the condition handler for reading the file header.  
363 0673 1 If any errors occur, it unwinds and returns to MARK_DELETE's caller,  
364 0674 1 causing the delete of a bad file header to be a quiet NOP.  
365 0675 1  
366 0676 1  
367 0677 1 CALLING SEQUENCE:  
368 0678 1 HANDLER (ARG1, ARG2)  
369 0679 1  
370 0680 1 INPUT PARAMETERS:  
371 0681 1 ARG1: address of signal array  
372 0682 1 ARG2: address of mechanism array  
373 0683 1  
374 0684 1 IMPLICIT INPUTS:  
375 0685 1 NONE  
376 0686 1  
377 0687 1 OUTPUT PARAMETERS:  
378 0688 1 NONE  
379 0689 1  
380 0690 1 IMPLICIT OUTPUTS:  
381 0691 1 NONE  
382 0692 1  
383 0693 1 ROUTINE VALUE:  
384 0694 1 SSS_RESIGNAL or none if unwind  
385 0695 1  
386 0696 1 SIDE EFFECTS:  
387 0697 1 NONE  
388 0698 1  
389 0699 1 --  
390 0700 1  
391 0701 1  
392 0702 2 BEGIN  
393 0703 2  
394 0704 2 MAP  
395 0705 2 SIGNAL : REF BBLOCK, ! signal arg array  
396 0706 2 MECHANISM : REF BBLOCK; ! mechanism arg array  
397 0707 2  
398 0708 2 EXTERNAL  
399 0709 2 USER_STATUS; ! status to return to user  
400 0710 2  
401 0711 2  
402 0712 2 ! If the condition is change mode to user (error exit) cause an unwind to  
403 0713 2 return to DELETE's caller.  
404 0714 2 Otherwise, just resignal the condition.  
405 0715 2 !  
406 0716 2  
407 0717 2 IF .SIGNAL[CHF$L_SIG_NAME] EQL SSS_CMODUSER  
408 0718 2 THEN  
409 0719 3 BEGIN  
410 0720 3 USER_STATUS = .SAVE_STATUS;  
411 0721 3 SUNWIND ();  
412 0722 2 END;
```

DELETE
V04-000

N 1
16-Sep-1984 00:56:34 VAX-11 Bliss-32 v4.0-742
14-Sep-1984 12:29:27 DISK\$VMSMASTER:[F11A.SRC]DELETE.B32;1 Page 13 (5)

DIRA

; 413 0723 2
; 414 0724 2 RETURN SSS_RESIGNAL;
; 415 0725 2
; 416 0726 1 END;

! status is irrelevant if unwinding
! end of routine DELETE_HANDLER

.EXTRN SYSSUNWIND

0000 00000 DELETE_HANDLER:
00000424 50 04 AC D0 00002 .WORD Save nothing : 0666
00000424 8F 04 A0 D1 00006 MOVL SIGNAL, R0 : 0717
0000G CF 0000' 10 12 0000E CMPL 4(R0), #1060
0000000G 00 0000' CF D0 00010 BNEQ 1S
0000000G 00 0000' 7E 7C 00017 MOVL SAVE_STATUS, USER_STATUS : 0720
0000000G 00 0000' 02 FB 00019 CLRQ -(SPT) : 0721
0000000G 50 0918 8F 3C 00020 1\$: CALLS #2, SYSSUNWIND
0000000G 50 0918 8F 3C 00020 1\$: MOVZWL #2328, R0 : 0724
0000000G 50 0918 8F 3C 00020 1\$: RET : 0726

; Routine Size: 38 bytes, Routine Base: \$CODE\$ + 015F

; 417 0727 1
; 418 0728 1 END
; 419 0729 0 ELUDOM

PSECT SUMMARY

Name	Bytes	Attributes
\$LOCKEDD1\$	8	NOVEC, WRT, RD, NOEXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)
\$CODE\$	389	NOVEC, NOWRT, RD, EXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)

Library Statistics

File	----- Symbols -----	Pages	Processing
	Total Loaded Percent	Mapped	Time
\$_255\$DUA28:[SYSLIB]LIB.L32;1	18619 28 0	1000	00:01.9

COMMAND QUALIFIERS

DELETE
V04-000

B 2
16-Sep-1984 00:56:34 VAX-11 Bliss-32 V4.0-742
14-Sep-1984 12:29:27 DISK\$VMSMASTER:[F11A.SRC]DELETE.B32;1 Page 14
(5)

: BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LISS\$:DELETE/OBJ=OBJ\$:DELETE MSRC\$:DELETE/UPDATE=(ENH\$:DELETE)

: Size: 389 code + 8 data bytes
: Run Time: 00:11.1
: Elapsed Time: 00:26.8
: Lines/CPU Min: 3947
: Lexemes/CPU-Min: 13608
: Memory Used: 97 pages
: Compilation Complete

DIRA
V04-

0164 AH-BT13A-SE
VAX/VMS V4.0

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COMMON LIS

0165 AH-BT13A-SE
VAX/VMS V4.0

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